

AN EXHAUST GAS PURIFYING APPARATUS

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ABSTRACT OF THE DISCLOSURE

The present invention relates to an exhaust gas  
purifying apparatus, for trapping and burning PM, which  
10 comprises electrodes and an insulative honeycomb  
structure. The apparatus is characterized in that the  
electrodes make an electric field in the honeycomb  
structure, the electric field not being parallel with  
the cell passages of the honeycomb structure. Further  
15 the apparatus is characterized in that the electrodes  
make an electric field in the honeycomb structure, and  
that the honeycomb structure carries at least one metal  
selected from the group consisting of an alkali metal  
and an alkali earth metal; a material that generates  
20 oxygen radical by conducting an electric current  
therethrough; a manganese dioxide; and/or a material  
having a high dielectric constant.